

Riboflavin 5'-monophosphate (sodium salt hydrate) Biochemical

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CATALOG #
AAA227339

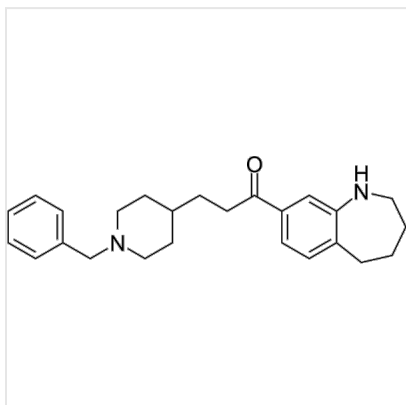
PRODUCT SYNONYMS

Riboflavin 5'-monophosphate (sodium salt hydrate); TAK-147 free base; Riboflavin 5'-monophosphate (sodium salt hydrate) biochemical

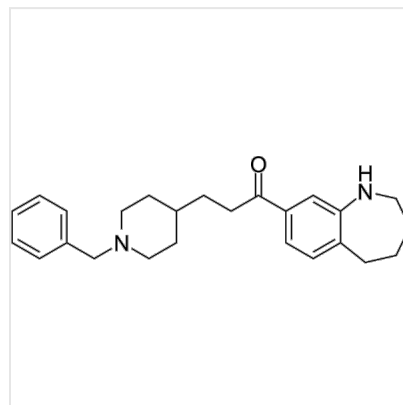
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	PBS (pH 7.2): 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Zanapezil free base, CAS 142852-50-4



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ADDITIONAL INFORMATION

Related Product Information for Riboflavin 5'-monophosphate (sodium salt hydrate) biochemical	Riboflavin 5'-monophosphate (FMN) is a coenzyme that is tightly bound to enzymes catalyzing oxidation and reduction reactions in a variety of biosynthetic pathways. FMN also binds the FMN riboswitch (RFN element) on RNA to alter gene regulation. FMN is a substrate of FMN phosphohydrolases and is used to study their function.
References	1. K Hirai, et al. Neurochemical effects of 3-[1-(phenylmethyl)-4-piperidiny]-1-(2,3,4,5-tetrahydro-1H-1-b enzazepin-8-yl)-1-propanone fumarate (TAK-147), a novel acetylcholinesterase inhibitor, in rats. J Pharmacol Exp Ther. 1997 Mar;280(3):1261-9. 2. Izzettin Hatip-Al-Khatib, et al. Comparison of the effect of TAK-147 (zanapezil) and E-2020 (donepezil) on extracellular acetylcholine level and blood flow in the ventral hippocampus of freely moving rats. Brain Res. 2004 Jun 25;1012(1-2):169-76.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.